In the Specification

Please replace Figures 2-3, 8-23, 25-31, and 38 with the attached Replacement Figures 2-3, 8-23, 25-31, and 38 (total 27 pages).

Please amend the paragraph including line 18 on page 51 (paragraph 362 of the published application) as follows:

Amplification and cloning of flanking sequences: DNA fragment representing flanking sequences were amplified from plant genomic DNA that was isolated from the leaves using Qiagen plant extraction kit following manufacturer's protocol. The flanking sequence fragment was amplified with the primers, ADLF-5' gtgtcagtgtcggcccagcagag 3' (SEQ ID NO:1) and ADLR-5' aacaggggtcaaggtcggccag 3' (SEQ ID NO:2) using Platinum Pfx DNA polymerase (Invitrogen Inc.). The amplified fragment represents the 16S/trnI-trnA/23S region of the chloroplast genome and is approximately 4.2 kb in size. The PCR amplified DNA fragment was treated with T4 polynucleotide kinase (Promega) and cloned into PvuII digested pBluescript II KS dephosphorylated with Shrimp Alakaline phosphatase (Promega). The kinase and dephosphorylation reactions were performed as per the manufacturer's instructions. The clone harboring carrot specific flanking region was designated as pDA-35.